Kaleidoscope™

A LOOK INTO IOWA INTEGRATED JUSTICE

Datamaxx®
GROUP

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The Challenge

In the State of Iowa, information sharing between many State and Local Agencies was limited.

➢ State law enforcement community did not have access to Department of Corrections release information
➢ Probation and Parole Officers did not have electronic notification of supervisory responsibility
➢ State law enforcement community did not have real-time access to local jail incarceration

The Solution

PHASE I

PROOF OF CONCEPT

Original State and Local Agencies participating in the Proof of Concept

➢ Iowa Department of Public Safety
➢ Iowa Department of Corrections
➢ Polk County Sheriff
➢ Polk County Attorney
➢ Criminal Juvenile Justice Planning
➢ Department of Information Technology

DESIGN GOALS
All back-end components

➢ Design of the "master" enterprise repository
➢ Design of notification system
➢ Design and configure DDI Tools to facilitate data extraction from Polk County Sheriff JMS and DOC ICON and load into Datamaxx enterprise repository and Iowa state data warehouse
➢ Design and configure Datamaxx BI Reports to be delivered via email
➢ Design of business rules and logic for all repositories

PUSH...PULL...NOTIFY...SUBSCRIBE

Query – Datamaxx will demonstrate the query method of exchange by allowing current users on the Iowa network to receive pertinent offender data from both the ICON system and the Polk County Sheriff JMS, as a by-product of current Iowa workstation queries.

Push & Pull – Datamaxx will demonstrate the push and pull methods of exchange by implementing data integration tools to pull data from the Polk County Sheriff Jail Management System and DOC ICON repositories and pushing that data into both the Iowa State Data Warehouse and the Datamaxx repository.

Notify & Subscribe – Datamaxx will demonstrate the subscription/notification method of exchange by initially designing the Datamaxx repository to notify probation and parole officers when an inquiry has been issued on an offender and/or when an offender is arrested and booked by Polk County Sheriff, as well as, providing notification to arriving counties when an offender has been released form the ICON system.

SOLUTION – TECHNOLOGY

➢ Hosted solution
➢ Creation of Master Name Index
➢ Marrying of data from disparate systems
➢ Pro-active notifications
➢ No alterations to existing systems
➢ Utilize existing infrastructure and technology
➢ Transformation of raw data into actionable intelligence
➢ Modular components for scalability
➢ Portal, KM, ETL, BI, Web Services, XML, ASP

METRICS – AUGUST 4 – AUGUST 13

Average queries per day: 7,340
Total queries: 80,742

Average Summary Reports per day: 12
Total Summary Reports: 135

Average Query Notifications per day: 114
Average Arrest Notifications per day: 6
Average AM Notifications per day: 66
Total Notifications: 2,047

PHASE II

DESIGN GOALS
Custom front-end components

- Design, build & configure custom Datamaxx Portal front-end
- Design master search form
- Design Federated Search functionality
- Design & configuration of user login, user security, and user authentication
- Design of more custom reports to be accessed from within Portal
- Design of subscription and notification capabilities from within Portal

Iowa Department of Transportation OWI Project

- Iowa Department of Transportation OWI and Citation data to Kaleidoscope repository
- New OWI data will be available to all existing Kaleidoscope users
- Will make officers aware of OWI citations/offenders

FUTURE POSSIBILITIES

- Add Judicial Data
- Provide access to other applications from Portal
- Provide Data Exchange throughout criminal justice process
- Central Document/Image Repository

IOWA STEERING COMMITTEE

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